

PATENT

Fig. 4 is an electroluminescent spectrum for a device prepared in accordance with Example 3;

Fig. 5 is an electroluminescent spectrum for a device prepared in accordance with Example 4; and

Fig. 6 is an electroluminescent spectrum for a device prepared in accordance with Example 5.

Cont
A 1
DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--

Please replace in the paragraph beginning at page 1, line 1, with the following rewritten paragraph:

--I CLAIM:--

IN THE CLAIMS:

Please amend the claims as follows:

1. (Amended) An electroluminescent compound which comprises an organic complex of a metal and an organic ligand which emits light in the blue or purplish blue spectrum when an electric current is passed through it

P2
S1
B1
wherein the metal is selected from the group consisting of thorium (IV), yttrium (III), gadolinium (III), europium (II), terbium (IV), cerium (IV), cerium (III) and mixtures thereof and the ligand is selected from the group consisting of

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and

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where R' maybe the same or different at different parts of the molecule and each of R" and R' is a substituted or unsubstituted aromatic or heterocyclic ring structure or a hydrocarbyl or a fluorocarbon or R" is fluorine or hydrogen or R" is copolymerised with a monomer or R' is t-butyl and R" is hydrogen.

Please cancel claims 2-5.

6. (Amended) An electroluminescent compound according to claim 1 having the formula

Eu(II)(TMHD)_2 .

7. (Amended) A composition which comprises an inert polymer and from 5% to 95% by weight of an electroluminescent compound as claimed in claim 1.

8. (Amended) An electroluminescent device which comprises (i) a transparent substrate (ii) an electroluminescent layer comprising an electroluminescent compound as claimed in claim 1 deposited on the substrate and (iii) a cathode.

Please cancel claim 10.

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11. (Amended) An electroluminescent device as claimed in claim 8 in which there is a hole transporting layer deposited on the transparent substrate and the electroluminescent material is deposited on the hole transporting layer.

11B
12. (Amended) An electroluminescent device as claimed in claim 8 in which there is a hole transporting material mixed with the electroluminescent material in a ratio of 5 to 95% of the electroluminescent material to 95 to 5% of the hole transporting compound.

Cont
A4
13. (Amended) An electroluminescent device as claimed in claim 12 in which the hole transporting material is an aromatic amine complex.

14. (Amended) An electroluminescent device as claimed in claim 13 in which the hole transporting material comprises at least one selected from the group consisting of poly(vinylcarbazole), N,N'-diphenyl-N,N'-bis (3-methylphenyl)-1,1' -biphenyl -4,4' diamine (TPD) and polyaniline.

Please cancel claim 15.

H5
sub
16. (Amended) An electroluminescent device as claimed in claim 8 in which there is a layer of an electron injecting material between the cathode and the electroluminescent material layer.

17. (Amended) An electroluminescent device as claim in claim 8 wherein the electroluminescent layer includes an electron injecting material.

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P5?*
18. (Amended) An electroluminescent device as claimed in claim 16 wherein the electron injecting material is a metal complex or oxadiazole or an oxadiazole derivative.

*Lab
P6*
20. (Amended) An electroluminescent device as claimed in claim 8 wherein the electroluminescent layer includes a dye.

*Sab
B3*
Please cancel claim 22.
23. (Amended) An electroluminescent device as claimed in claim 8 in which the anode includes one selected from the group consisting of aluminum, magnesium, lithium, calcium and magnesium silver alloy.

*AMENDMENT
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24. (Amended) An electroluminescent device as claimed in claim 8 comprising a plurality of electroluminescent layers.

25. (Amended) An electroluminescent device as claimed in claim 8 wherein the electroluminescent layer comprising at least two electroluminescent compounds.

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Please add the following new claims.

26. (New) An electroluminescent device as claimed in claim 11 wherein the hole transporting layer comprises an aromatic amine complex.

27. (New) An electroluminescent device as in claim 11 wherein the hole transporting layer comprises at least one selected from the group consisting of poly(vinylcarbazole), N,N'-diphenyl-N,N'-bis (3-methylphenyl)-1,1'-biphenyl -4,4' diamine (TPD) and polyaniline.